BRUHAT BENGALURU MAHANAGARA PALIKE

Name of work : Construction of Main Culverts at COAL Layout and Attur Layout in Attur Ward No.03

Estimated Cost Rs: 1000000.00

Sl No	Description of work	No	Dimensions L	B	D	Qty	Rate	Unit	Amount
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	KSRRB 300-1:Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 Meters and an average lift upto 0.5m excavated surface levelled and sides neatly dressed the disposed earth to be levelled neatly after breaking of clods complete as per specifications and complete as per specifications MORTH CHAPTER 3 (P-152, It.19.1)								
	Basic Rate	61.00							
	Area Weightage 8%	4.88							
	Total	**65.88**							
	COAL L/o Culverts	1	15.00	4.40	1.35	89.10			
	Attur L/o Culverts	8	5.80	1.50	1.30	114.61			
					Total	**203.71**	**65.88**	**Cum**	**13420.00**
2	KSRB 4-1.3:Providing and layingin position plain cement concrete of mix M7.5 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in levers not exceeding 15 cms, thick well compacted, in foundation and plinth including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No.KBS 4.1, 4.2 (P-12, It.4.3)								
	Basic Rate	3970.00							
	Area Weightage 8%	317.84							
	Total	**4290.84**							
	COAL L/o Culverts	1	15.00	4.40	0.15	9.90			
	Attur L/o Culverts	8	5.80	1.90	0.15	13.22			
					Total	**23.12**	**4290.84**	**Cum**	**99221.00**
3	KSRB 5.2-1:Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6 stone hammered dressed in courses not less than 20 cms high, bond stones at two m, apart in each course including cost of materials, labour, curing complete as per specifications. (P-25, It5.6)								
	Basic Rate	3287.00							
	Area Weightage 8%	262.96							
	Total	**3549.96**							
	Culvert HW	2	15.00	0.60	1.20	21.60			
		16	5.60	0.60	0.80	53.11			
					Total	**71.71**	**3549.96**	**Cum**	**254575.00**
4	Providing ruled pointing of coursed stone masonry with Cement morter 1:3 20mm deep, after raking joints to depth of 20mm neatly fitting, including cost of materials, labour, HOm of machineries curing etc., complete as per specification and directions of the Engineer-in-charge (P-122, It.15.3)								
	Basic Rate	74.00							

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	Area Weightage 8%	5.92							
	Total	79.92							
	Culvert	2	15.00		1.20	36.00			
		16	5.80		0.90	83.52			
					Total	119.52	79.92	Sqm	9552.00
5	KSRB 4-1.6:Providing and laying in position plain cement concrete of mix M15 with cement @240kgs with 20mm and down size graded granite metal, coarse aggregate @0.878cum and fine aggregate @0.459 cummechine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation, plinth and cills, inclooing cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P-12, ll.4.6)								
	Basic Rate:	4425.00							
	Area Weightage 8%	354.00							
	Total	4779.00							
	coning	2	15.00	0.60	0.10	1.80			
		16	5.80	0.60	0.10	5.57			
	Vent	1	15.00	3.00	0.15	6.75			
		8	5.80	0.60	0.10	2.78			
	ramp	2	15.00	0.45	0.10	1.35			
		16	5.80	0.45	0.10	4.18			
					Total	22.43	4779.00	Cum	107183.00
6	KSRB 4.2.2:Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs. with 20mm and down size graded granite metal coarse aggregates @0.876 cum and fine aggregates @ 0.459 cum, with superplastisiser @ 3lts confirming to IS 9103-1999 Reaffirmed - 2008, machine mixed concrete laid in layres not exceeding 15 cms, thick vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase,lintlos, rotaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or facing courses, parapets, coping, bed blocks, anchor blocks, plain window cills fillets etc, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No.KBS 4.1, 4.6 (P-13, ll.4.11)								
	Basic Rate:	5222.00							
	Area Weightage 8%	417.76							
	Total	5639.76							
	Culverts slab	1	15.00	4.20	0.30	18.90			
		8	5.80	1.80	0.23	19.21			
						38.11	5639.76	Cum	214929.00
7	KSRB 4.9-1 Providing T.M.T Steel reinforcement for RCC Work including straightening, cutting, bending hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS 4.6.3 (TMT bars Fe 415 P-19, ll.4.46)								

ADMINISTRATIVELY SANCTIONED FOR Rs 10.00lacs

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Basic Rate	6834.00						
	Area Weightage 8%	546.72						
	Total	7380.72						
	Qty @90Kg/Cum	deck	0.90	38.11		34.30		
					Total	34.30	7380.72 Qntl.	253149.00
8	KSRB 4-6.1;Providing and removing centering, shuttering, strutting propping etc, and removal of formwork for Vertical surface such as walls at any thickness including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (P-17, It.4.31)							
	Basic Rate	251.00						
	Area Weightage 8%	20.08						
	Total	271.08						
	Culverts	1	15.00	3.00		45.00		
		2	15.90		0.30	9.00		
		2	3.00		0.30	1.80		
		8	5.80	0.60		27.84		
		16	5.30		0.23	21.34		
		16	1.30		0.23	6.62		
					Total	111.61	271.08 Sqm	30255.00
9	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/sand/ kanker/moorum KSRRB M100-1;Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH Chapter 1 (P-150, It.17.1)							
	Basic Rate	62.20						
	Conveying for 4 km	10.00						
	sub total	72.20						
	Area Weightage 5%	5.78						
	Total	77.98						
	Qty Vide Item No.1					203.71		
					Total	203.71	77.98 Cum	15884.00
10	Miscellaneous & Rounding off							1832.00
							Total Rs:	1000000.00

TECHNICALLY SANCTIONED FOR Rs. 10.00lacs (Ten lacs only) Under P.177 general head. Registered as CE ( ) No. Subject to conditions contained in enclosed memo CE ( ) No. Dt. Estimate A/Sanctioned No. Dated 30-10-13 for Rs. 10.00lacs. Executive Engineer

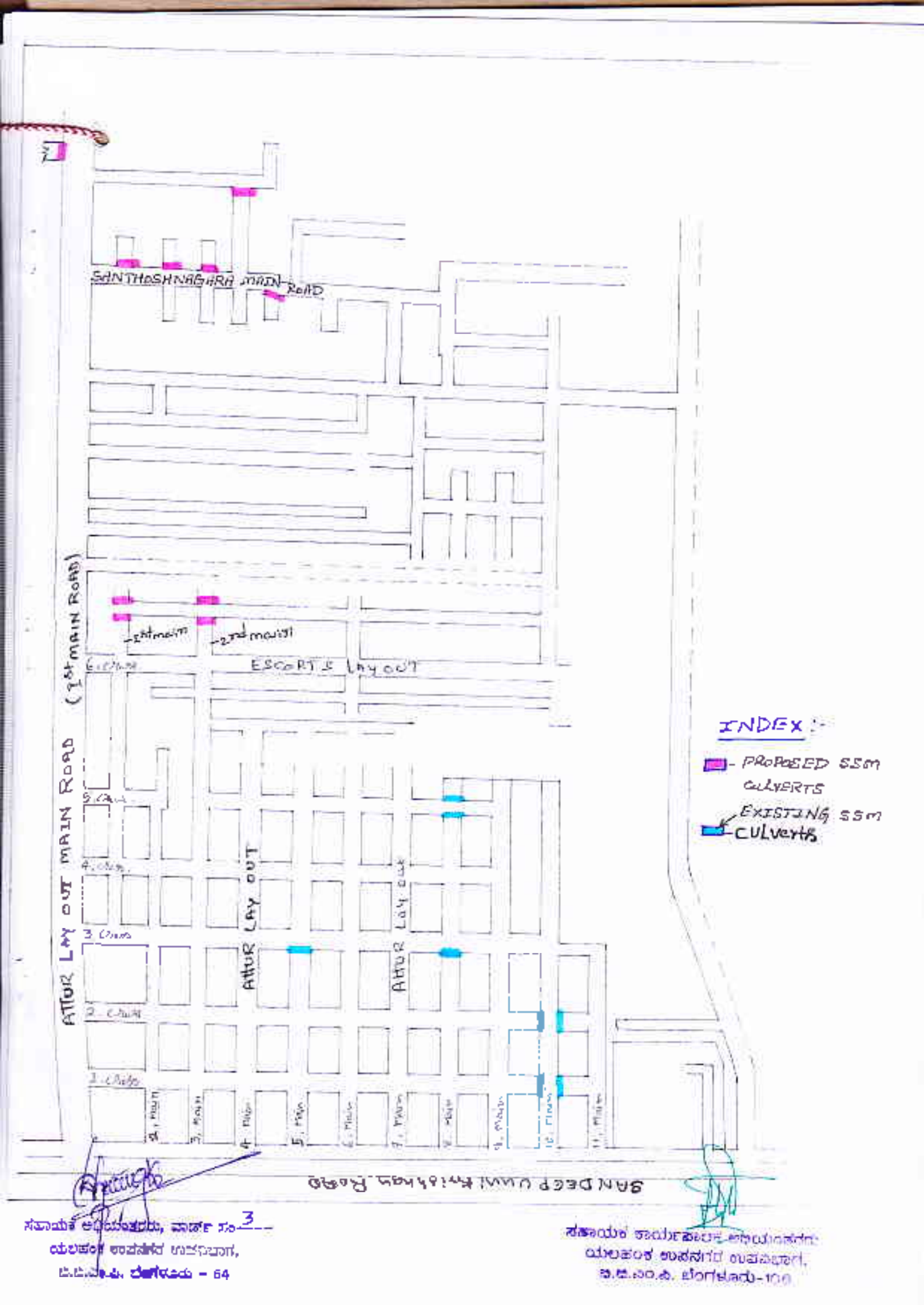
CERTIFICATE:

1. The work spot comes under BBMP Limits
2. The provisions made in the estimate are necessary and minimum
3. The estimate is based on Market Rates
4. The estimate is based on CSR of 2013-14

Assistant Engineer
Ward No.3

Assistant Executive Engineer
Yelahanka Satellite Town Sub-Division
Bruhat Bengaluru Mahanagara Palike

Executive Engineer
Yelahanka Division
Bruhat Bengaluru Mahanagara Palike



ಸಹಾಯಕ ಆಯುಕ್ತರು, ವಾರ್ಡ್ ನಂ 3
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು - 64

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಎಂಜಿನಿಯರ್
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-64